

## Snow/Ice Mobility Equipment



## Mission

Enhance Soldier movement in snow or ice-covered terrain.

## Description and Specifications

The **Alpine and Cross Country Ski Bindings** consist of a toe wire, heel clamp, binding retainer and sole plate, which is hinged at the toe. Engaging the binding from this retainer allows the heel to lift for cross-country skiing. The binding has a bilateral release mechanism. They fasten skis to boots for downhill and cross-country skiing. Gaiters cover the area where boots meet trousers and provide additional protection from snow and the elements.

The **Aluminum Shaft Adjustable Ski Poles** are used by Soldiers on snow-covered terrain and consist of an adjustable aluminum shaft with plastic hand grips, snow rings, and nylon wrist straps.

**Trail Snowshoes** enable improved movement over snow-covered terrain. The snowshoe consists of a magnesium frame laced with nylon-coated steel cable and a binding made of a pad/claw with nylon webbing, and metal hooks and buckle for attaching the snowshoe to the boot.

The ski equipment **Repair Kit** comes in a nylon case and contains screwdrivers, scraper, file, pliers, hand drill, emergency ski tip, 1/8-pound steel wool; ski pole handgrip assembly, expansion plugs, basket assembly, and structural adhesive kit; spool of wire, abrasive cloth, filament reinforced tape, polyethylene repair candles, and climbing skin adhesive.

**Hinged Crampons** prevent slipping when walking on ice or ascending steep ice faces. They are made of chromium molybdenum steel and are black or gold with an epoxy coating. They have 12 spikes and an adjustable center hinge to adjust the length of the crampon. They are fully adjustable in width to be compatible with the standard military vapor-barrier boots, the standard ski/mountain boot, and

commercial plastic-shell mountaineering boots, with the aid of a big foot centerpiece when necessary. The crampons have six attachment points for two-inch wide binding straps and are furnished with all the tools necessary to assemble and adjust them.

The **Military All-Terrain Skis** have grooves for attaching mohair climbers and are made of fiberglass with a foam or wood core, with steel edges, polyurethane tip and tail protectors, and polyethylene bases.